

Converting Colors

$Y_{xy}(49.7932, 0.2761, 0.2944)$

Have a look what the booklet for
Yxy(49.7932, 0.2761, 0.2944)
contains.

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Color

Yxy(49.6204, 0.2760, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	A7BDD9
RGB	167, 189, 217
RGB Percent	65%, 74%, 85%
CMY	0.3451, 0.2588, 0.1489
CMYK	0.23, 0.13, 0.00, 0.15
HSL	214°, 40%, 75%
HSV	214°, 23%, 85%
XYZ	46.6618, 49.6204, 72.7822
YIQ	185.6140, -22.1000, 4.0440

Conversions

Conversions Part 2

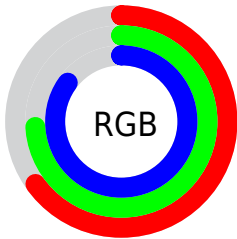
Format	Color
RYB	167, 182, 217
Decimal	10993113
CIELab	75.84, -1.41, -16.53
CIELCh	76, 16.594, 265.138
Yxy	49.6204, 0.2760, 0.2935
Android (android.graphics.Color)	4289183193 (0xFFA7BDD9)
YUV	185.6140, 15.4733, -16.3245
Hunter-Lab	70.4417, -5.0317, -11.9507

Details

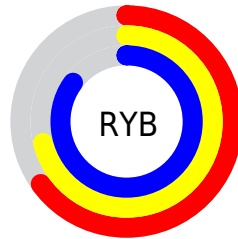
The Yxy color **49.6204, 0.2760, 0.2935** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5923, 0.3527, 0.3621**, and the grayscale version is **48.7991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2128, 0.2932, 0.3188**, and **23.7944, 0.2661, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **42.4392, 0.2592, 0.2753**, and if you desaturate by 10%, it is **57.6410, 0.2924, 0.3100**.

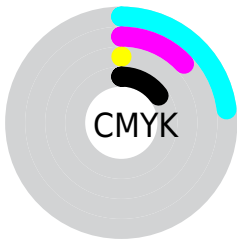
Distribution



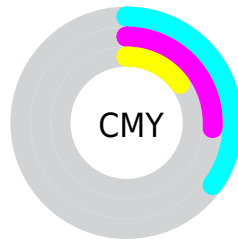
- Red (65%)
- Green (74%)
- Blue (85%)



- Red (65%)
- Yellow (71%)
- Blue (85%)



- Cyan (23%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)



- Cyan (35%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6204, 0.2760, 0.2935 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 49.6204, 0.2760, 0.2935 by changing the saturation by 10% instead.

■ 49.6204, 0.2760,
0.2935

■ 49.6204, 0.2760,
0.2935

■ 385.1796, 0.2940,
0.3110

■ 35.1119, 0.2716,
0.2892

■ 89.6122, 0.2824,
0.2998

■ 23.7491, 0.2661,
0.2838

■ 115.8642, 0.2849,
0.3022

■ 15.1476, 0.2589,
0.2767

■ 146.7996, 0.2870,
0.3042

■ 8.9230, 0.2491,
0.2671

■ 182.8026, 0.2888,
0.3059

■ 4.6910, 0.2350,
0.2531

■ 224.2578, 0.2903,
0.3074

■ 2.0671, 0.2133,
0.2315

■ 271.5494, 0.2917,

■ 0.6460, 0.1710,

0.3088

0.1905

325.0619, 0.2929,
0.3099

0.0000, 0.0000,
0.0000

49.6204, 0.2760,
0.2935

49.6204, 0.2760,
0.2935

42.4392, 0.2592,
0.2753

57.6410, 0.2924,
0.3100

36.0609, 0.2423,
0.2556

66.5236, 0.3081,
0.3248

30.4548, 0.2259,
0.2347

76.2976, 0.3229,
0.3380

25.5857, 0.2104,
0.2130

86.9889, 0.3368,
0.3496

21.4150, 0.1967,
0.1910

94.5203, 0.3359,
0.3612

■ 17.8995, 0.1851,
0.1696

■ 97.7912, 0.3351,
0.3661

■ 14.9888, 0.1761,
0.1495

■ 13.2715, 0.1712,
0.1364

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.6204, 0.2696, 0.3050



49.6204, 0.2760, 0.2935



49.6204, 0.2921, 0.2914

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.6204, 0.2760, 0.2935



49.6204, 0.3528, 0.3319



49.6204, 0.3100, 0.3623

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.6204, 0.2760, 0.2935



56.5923, 0.3527, 0.3621

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.6204, 0.3326, 0.3693



49.6204, 0.2760, 0.2935



49.6204, 0.3578, 0.3506

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.6204, 0.2760, 0.2935



49.6204, 0.3366, 0.3132



49.6204, 0.3502, 0.3646



49.6204, 0.2887, 0.3453

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6204, 0.2760, 0.2935



49.6204, 0.3064, 0.2953



49.6204, 0.3502, 0.3646



49.6204, 0.3177, 0.3659

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.6224, 0.2760, 0.2935



90.5540, 0.3019, 0.3191



61.7747, 0.2923, 0.3572



19.2143, 0.3009, 0.3182



0.0000, 0.0000, 0.0000



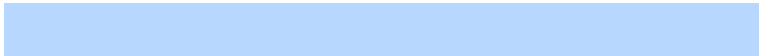
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6224, 0.2760, 0.2935



65.9579, 0.2673, 0.2842



41.1424, 0.2757, 0.2649



13.5546, 0.2982, 0.3155



8.2344, 0.1720, 0.1391



0.7032, 0.1808, 0.1707

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.0700, 0.3396, 0.3031



60.2809, 0.3475, 0.2969



66.8059, 0.3454, 0.3866



13.1462, 0.3223, 0.3188



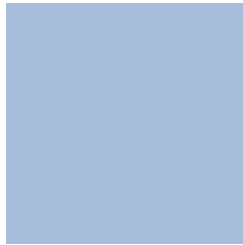
9.4550, 0.5203, 0.2640



0.6297, 0.4798, 0.2417

Previews

White Background



This preview shows how the Yxy color 49.6204, 0.2760, 0.2935 looks on a white background.

Color Contrast Check

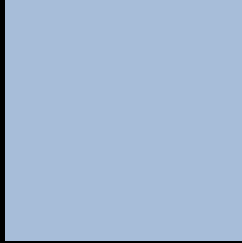
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 49.6204, 0.2760, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

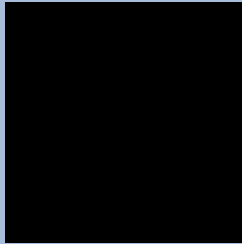
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

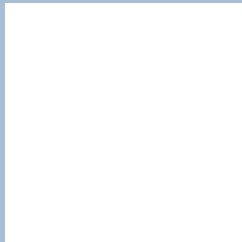
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6204, 0.2760, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 49.6204, 0.2760, 0.2935.



This preview shows how white text looks on a background with the Yxy color 49.6204, 0.2760, 0.2935.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.6204, 0.2760, 0.2935

Protanopia

49.4980, 0.2888, 0.2931

Deuteranopia

49.3367, 0.2913, 0.2853



Tritanopia

49.7172, 0.2820, 0.3096

Trichromacy



Original Color

49.6204, 0.2760, 0.2935

Protanomaly

49.3712, 0.2844, 0.2928

Deuteranomaly

49.5836, 0.2853, 0.2883

Tritanomaly

49.5870, 0.2800, 0.3033

Monochromacy



Original Color

49.6204, 0.2760, 0.2935

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1556, 0.2987, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6204, 0.2760, 0.2935 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(167, 189, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 189, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.6204, 0.2760, 0.2935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 189, 217) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(167, 189, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(167, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(167, 189,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6204, 0.2760, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 189, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167,  
189, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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